Harmony of Artificial Intelligence and Emotional Intelligence in the Education Sector

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ABSTRACT

An innovative strategy to improve teaching and learning is presented by the fusion of artificial intelligence (AI) and emotional intelligence (EI) in the educational field. AI is gaining huge importance in every sector. AI is expanding at a pace that is unparalleled and has the potential to completely transform many aspects of our society. EI is an essential intelligence that must be nurtured is students in their teaching-learning process. This study examines how AI and EI might work together more effectively, offering a paradigm that combines the empathetic qualities of EI with rational and scientific thinking of AI's data-driven insights and automation capabilities. In addition to examining the ways AI is currently being used in education to improve administrative efficiency, individualized learning, and adaptive assessments, the study emphasizes the value of EI in creating a welcoming and inclusive learning environment.

INTRODUCTION

> "Everything we love about civilization is a product of intelligence, so amplifying our human intelligence with artificial intelligence has the potential of helping civilization flourish like never before – as long as we manage to keep the technology beneficial." Max Tegmark, President of the Future of Life Institute

The speedy evolution of information and communication technology has raised the novel techniques and applications of Artificial Intelligence. Artificial Intelligence is gaining a huge importance in every sector. Artificial intelligence (AI) is expanding at a pace that is unparalleled and has the potential to

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completely transform many aspects of our society. The intriguing and cutting-edge technology of artificial intelligence enhances education sector by fulfilling the diverse and unique needs of students and even useful for educators in helping them with dealing students in every domains of personality with the assistance of artificial intelligence. With new technology constantly emerging, devices and systems are working together to make our lives easier. These advancements are aimed at problem-solving our rising challenges and issues in our lives. As (Morikawa, 2017) observed, the digital and industrial revolutions have a major impact on everything from our daily lives to businesses and jobs. Artificial intelligence (AI) is one of the most important inventions to come out of this revolution. Simply put, AI is a computer system that can do tasks typically done by humans (Simon, 1980). Some definitions go further, suggesting AI is a technology that can think and act like a human, using reason and logic (Russell, Stuart & Norvig, 2009). To understand AI, it's important to grasp its core principles, which include reasoning, planning, learning, logic, and perception(Perez et al., 2018). Nowadays, educational programmers advertise communication skills, a technological, reasonable, and prudent way of contemplating, and innovations in technology proficiency, researcher productivity, dissemination of information, the ability to uphold fundamental human principles, and the ability to solve shortcomings as the requirements for a great learner. It has become widely recognized that the goal of each nation in the twenty-first millennium seems to nurture humans who are energetically fit, socially, and emotionally sound, thrive in equilibrium with the world they live in, get along with their family and social environment, are problem solvers, creative, entrepreneurs, productive, dynamic, and self-confident. Among all these traits transforming into a global standard, the most crucial is the ability to solve issues effectively (Sanlı, 2005; Seker, 2019 & Akpinar, 2020). To solve the current trending issues cannot be solved with cognitive mind barely also have to take emotional aspect too. This has resulted in substantial changes to our lifestyles, professional environments, and educational practices. AI is not just an assurance, but a reality in the field of education, having already produced creative teaching and learning strategies that are being evaluated in a variety of educational contexts.AI isn't about building perfect human replicas, but rather creating intelligent programs that can do tasks normally requiring human smarts. The key is to make these programs adaptable. AI's true value lies in its ability to supercharge human capabilities. This technology can handle complex relationships, learn and grow on its own, and make expert decisions – all by analyzing massive amounts of data quickly and precisely (Hilovska &Koncz, 2012). Recently, different types of AI have become commonplace. These include data mining, predicting future trends, data analysis, and handling massive datasets. The newest and most powerful AI can automate tasks and applications, completely changing how businesses operate every day. As a result, AI has huge potential to boost economies and drive progress in teaching-learning process (Stoicescu, 2015).

Education is a domain that holds significant promise for the transformative impact of artificial intelligence (AI). In the contemporary period characterised by rapid advancements in technology, it is crucial to investigate novel methodologies that can augment educational achievements, accommodate the varying requirements of students, and optimise the educational procedure. The primary objective of this research paper is to explore the transformative capacity of artificial intelligence (AI) on fostering emotional skills within the field of education. The chapter seeks to provide insights into the existing applications of AI in education and also examines the potential future prospects of this technology not just visioning watertight compartments of human personality rather looking to develop integrated and harmonious personality of an individual. For a considerable amount of time, conventional educational institutions have depended on uniform methods that frequently find it difficult to meet the different learning preferences, speeds, and interests of individual pupils. By delivering timely feedback, adaptable information, and personalised